## WHAT IS CLAIMED IS:

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1. An optical scanning apparatus comprising:

a laser unit in which a light source and collimator lens are integrated;

an incident optical system for making a light beam emerging from said laser unit strike an optical deflector while keeping the light beam wider than a width of a deflecting surface of the optical deflector

in a main scanning direction; and

an imaging optical system for forming the light beam reflected/deflected by the optical deflector into an image on a scanned surface,

wherein said laser unit is adapted to be shifted by shift adjusting means in a predetermined direction with respect to the optical axis of said incident optical system so as to make an illuminance distribution of scanning lines on the scanned surface become substantially symmetrical about a scanning central axis.

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2. An apparatus according to claim 1, wherein the "substantially symmetrical" indicates that an illuminance distribution on the scanned surface falls within ±5% with respect to the axis in an effective scanning range.

3. An apparatus according to claim 1, wherein the

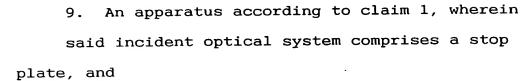
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predetermined direction is the main scanning direction or/and a sub-scanning direction.

- 4. An apparatus according to claim 1, wherein the light beam emerging from said laser unit is a substantially parallel light beam.
  - 5. An apparatus according to claim 1, wherein when the optical axes of said incident optical system and imaging optical system are projected on a main scanning cross-section, the optical axes substantially coincide with each other.
- 6. An apparatus according to claim 5, wherein the light beam emerging from said incident optical system is obliquely incident on the deflecting surface of the optical deflector in a sub-scanning cross-section.
- 7. An apparatus according to claim 1, wherein the
  20 light beam emerging from said incident optical system
  is obliquely incident on the deflecting surface of the
  optical deflector in a main scanning cross-section.
- 8. An apparatus according to claim 7, wherein
  25 said incident optical system is arranged in a main
  scanning cross-section based on the optical deflector.



means in a predetermined direction with respect to the optical axis of said incident optical system such that a ratio of intensities of two light beams obtained by splitting a light beam passing through said stop plate in two in the main scanning direction at a stop center becomes not more than 10%.

- 10. An apparatus according to claim 1, wherein a tilt angle of the light source in the main scanning direction is set to not more than  $\pm 2.5^{\circ}$  with respect to the optical axis of the collimator lens.
- 11. An apparatus according to claim 7, wherein said laser unit is shifted in advance in the main scanning direction with respect to the optical axis of said incident optical system by an amount corresponding to an incidence angle at which the light beam emerging from said incident optical system is obliquely incident on the deflecting surface of the optical deflector in a main scanning cross-section.

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12. An image forming apparatus comprising: said optical scanning apparatus defined in any one 5

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of claims 1 to 11;

a photosensitive member placed on the scanned surface;

a developing unit for developing an electrostatic latent image formed on said photosensitive member by a light beam scanned by said optical scanning apparatus into a toner image;

a transfer unit for transferring the developed toner image onto a transfer medium; and

a fixing unit for fixing the transferred toner image on the transfer medium.

13. An image forming apparatus comprising:
said optical scanning apparatus defined in any one
of claims 1 to 11; and

a controller for converting code data input from an external device into an image signal, and inputting the signal to said optical scanning apparatus.

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14. A method of manufacturing an optical scanning apparatus including a laser unit in which a light source and collimator lens are integrated, an incident optical system for making a light beam emerging from the laser unit strike an optical deflector while keeping the light beam wider than a width of a deflecting surface of the optical deflector in a main scanning direction, and an imaging optical system for

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forming the light beam reflected/deflected by the optical deflector into an image on a scanned surface, comprising the step of

causing shift adjusting means to shift the laser unit in a predetermined direction with respect to the optical axis of the incident optical system so as to make an illuminance distribution of scanning lines on the scanned surface become substantially symmetrical about a scanning central axis.

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15. A method according to claim 14, wherein the predetermined direction is the main scanning direction or/and a sub-scanning direction.

16. A method of manufacturing an image forming apparatus by forming the optical scanning apparatus manufactured by the method defined in claim 14, and a controller for converting code data input from an external device into an image signal and inputting the signal to the optical scanning apparatus.

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